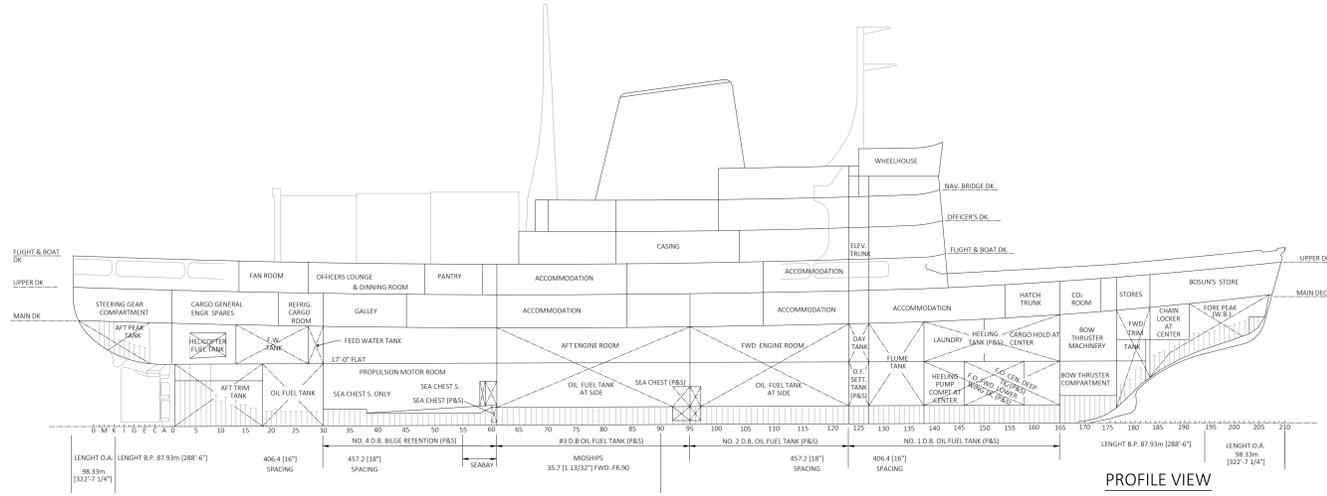


NO.	AUTEUR/AUTHOR	TITRE / TITLE	ID DOCUMENT
1	GARDE CÔTIÈRE	TANK CAPACITY PLAN	223-H-146

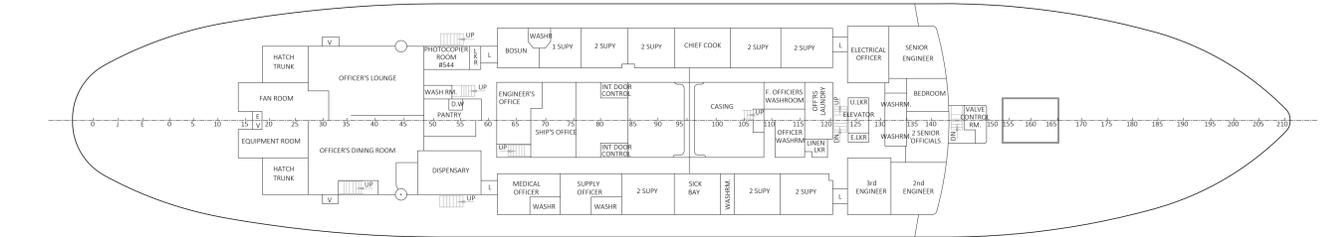
REVISIONS

NO.	DATE	DESCRIPTION	PAR / BY
0	13 DEC 2017	FIRST ISSUE	Q. COLIN
1	15 AUG 2018	MODIFICATION FOLLOWING DESIGNSPELLERS WORK	Q. COLIN

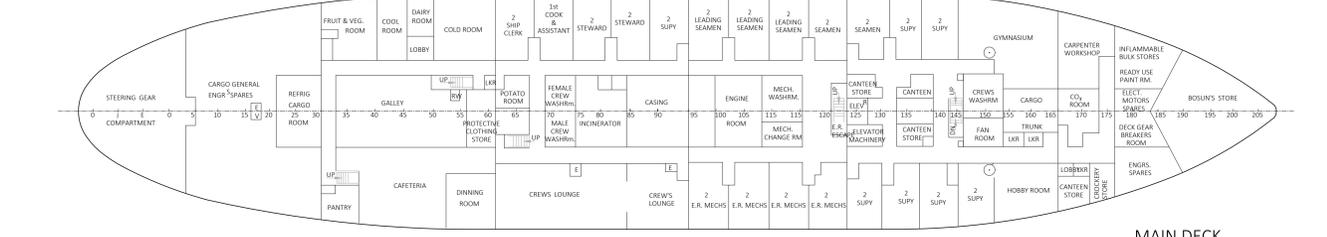
NOTE:  
 THIS DRAWING IS BASED ON DRAWING #223-H-146 CAPACITY PLAN PRODUCED BY SURPADRY DRY DOCK. THIS DRAWING HAS BEEN MODIFIED BY CONCEPT NAVAL TO INCLUDE CAPACITY MODIFICATION FOLLOWING INSTALLATION WORK OF THE MULTI-BEAM SOUNDER. CONCEPT NAVAL MODIFICATIONS TO THE DRAWING #223-H-146 ONLY INCLUDE THE FOLLOWING:  
 - NO. 1 D.B. OIL TANK(S), CAPACITY MODIFICATION  
 - HEELING TANK (S), CAPACITY MODIFICATION  
 - VEM BELOW 17'-0" FLAT, ADDS  
 - SOUNDER COMPARTMENT ADDED



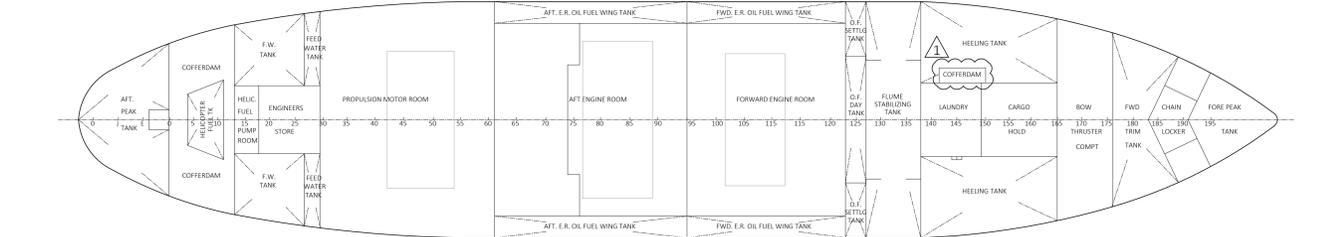
PROFILE VIEW



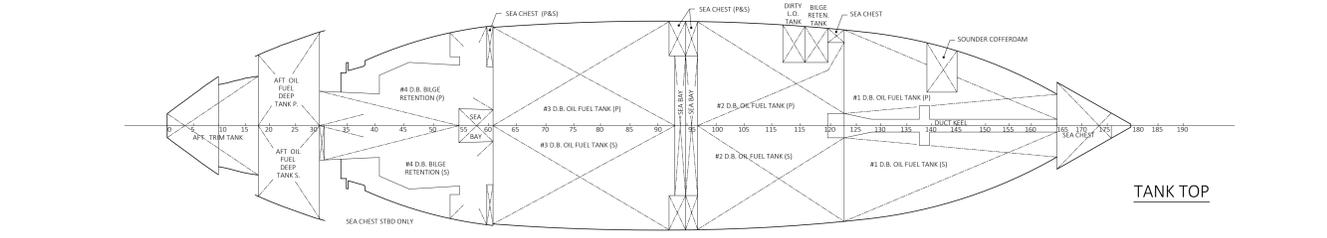
UPPER DECK



MAIN DECK



17'-0" FLAT



TANK TOP



BELOW 17'-0" FLAT

PRINCIPAL DIMENSIONS

LENGTH OVERALL	98.33m [322'-7 1/4"]
LENGTH B.P.	87.93m [288'-6"]
BREADTH MOULDED (MAIN DECK)	19.51m [64'-0"]
DEPTH MOULDED (MAIN DECK)	8.08m [26'-4"]
DEPTH MOULDED (UPPER DECK)	10.82m [35'-6"]

TONNAGES

GROSS	5810.42
NET	1477.91

TANK CAPACITIES

COMPARTMENT	OIL FUEL	FRAMES	CAPACITY (M3)	V.C.G. ABOVE BASE (M)	L.C.G. FROM C.L. (M)
NO. 1 D.B. OIL FUEL TANK	123-265	91.2	0.90	21.79	
NO. 2 D.B. OIL FUEL TANK	123-265	95.3	0.91	21.91	
NO. 3 D.B. OIL FUEL TANK	97-123	102.6	0.88	8.78	
NO. 4 D.B. OIL FUEL TANK	97-123	113.0	0.88	9.07	
NO. 5 D.B. OIL FUEL TANK	61-23	141.2	0.88	5.84	
NO. 6 D.B. OIL FUEL TANK	61-23	141.2	0.88	5.84	

TANK	FRAMES	LOCATION	CAPACITY
ROILER FUEL OIL TANK	84-87	ENG. ROOM (SAINC)	2.91
PURIFIER L.O. STORAGE	109-112	17'-0" FLAT FWD ENG. ROOM	2.89
SLUDGE TANK	107-115	TANK TOP FWD ENG. ROOM	1.82
ROILER FUEL TANK	95-100	17'-0" FLAT FWD ENG. ROOM	4.55
HELICOPTER FUEL TANK	13-16	17'-0" FLAT HELIC. ARMP. ROOM	0.14
LUB OIL TANK	103-104	17'-0" FLAT FWD ENG. ROOM	0.23
LUB OIL TANK	104-105	" " " "	0.23
LUB OIL TANK	88-84	" " " "	0.23
LUB OIL TANK	84-85	" " " "	0.23
LUB OIL TANK	85-87	" " " "	0.23
PROP. MOTOR L.O. CIRC. TANK	72-76	NAV. BRIDGE DECK	3.86
GREY WATER RETENTION TANK	142-144	HEELING PUMP COMPT.	0.45
PROP. MOTOR L.O. CIRC. TANK	40-43	PROP. MOTOR ROOM TANK TOP	0.45
HOT F.W. HEADER TANK	102-104	INSIDE FUNNEL	0.21
DIRTY LUB. OIL TANK	112-116	FWD ENGINE ROOM D.B.	4.77
BILGE RETENTION TANK	116-120	" " " "	4.55
D.B. #4 BILGE RETENTION TANK	30-61	PROP. MOTOR RM D.B.	64.6
D.B. #4 BILGE RETENTION TANK	31-61	" " " "	63.2

ENGINEERS TANKS CAPACITIES

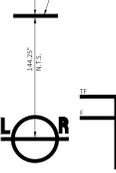
COMPARTMENT	OIL FUEL	FRAMES	CAPACITY (M3)	V.C.G. ABOVE BASE (M)	L.C.G. FROM C.L. (M)
FWD. CENTRE OIL FUEL DEEP TANK P.	146-165	139.8	3.58	28.47	
FWD. CENTRE OIL FUEL DEEP TANK S.	146-165	139.8	3.58	28.47	
OIL FUEL DAY TANK	123-127	42.7	8.47	15.91	
OIL FUEL SETTLING TANK P.	123-127	70.1	4.39	15.91	
OIL FUEL SETTLING TANK S.	123-127	70.1	4.39	15.91	
FWD. LOWER OIL FUEL WING TANK P.	138-158	55.0	3.73	24.46	
FWD. LOWER OIL FUEL WING TANK S.	138-158	55.0	3.73	24.46	
AFT. OIL FUEL DEEP TANK P.	18-30	104.0	3.19	29.74	
AFT. OIL FUEL DEEP TANK S.	18-30	104.0	3.19	29.74	
FWD. ENGINE R. OIL FUEL WING TANK P.	95-123	107.7	5.37	9.03	
FWD. ENGINE R. OIL FUEL WING TANK S.	95-123	107.7	5.37	9.03	
AFT. ENGINE R. OIL FUEL WING TANK P.	61-95	133.9	5.23	5.83	
AFT. ENGINE R. OIL FUEL WING TANK S.	61-95	133.9	5.23	5.83	
HELICOPTER FUEL TANK	4-11	28.3	6.75	36.32	

LUB. OIL STORAGE TANK INNER 114-123 9.8 6.40 11.35 F  
 LUB. OIL STORAGE TANK OUTER 114-123 9.8 6.40 11.35 F  
 LUB. OIL STORAGE 30-34 3.7 6.48 26.29 A  
 LUB. OIL STORAGE 34-38 3.7 6.48 26.29 A  
 FRESH WATER  
 FEED WATER TANK P. 27-30 16.4 7.16 28.04 A  
 FEED WATER TANK S. 13-27 68.8 7.21 31.12 A  
 FRESH WATER TANK P. 13-27 68.8 7.21 31.12 A  
 FRESH WATER TANK S. 13-27 68.8 7.21 31.12 A  
 WATER BALLAST (S.W.)  
 FORE PEAK W.B. TANK 183-FWD END 112.3 8.29 43.92 F  
 AFT PEAK W.B. TANK AFT END 101.3 7.53 42.31 A  
 FWD TRIM TANK 176-181 181.8 7.26 38.88 F  
 AFT TRIM TANK 9-38 115.5 3.38 34.86 A  
 HEELING TANK WORKING LEVEL P. 138-165 101.5 6.13 26.27 F  
 HEELING TANK WORKING LEVEL S. 138-165 101.5 6.13 26.27 S  
 HEELING TANK FULL P. 138-165 205.5 7.01 35.11 F  
 HEELING TANK FULL S. 138-165 205.5 7.01 35.11 S

FLUME TANKS (S.W.)  
 FLUME TANK UPPER FULL 127-138 268.0 6.80 18.96 F  
 FLUME TANK UPPER WORKING LEVEL 127-138 188.3 6.35 18.95 F  
 FLUME TANK LOWER FULL 127-138 275.8 3.40 18.97 F  
 FLUME TANK LOWER WORKING LEVEL 127-138 133.8 2.41 18.97 F

FLUME TANKS (D.F.)  
 FLUME TANK UPPER FULL 127-138 255.7 8.33 18.96 F  
 FLUME TANK UPPER WORKING LEVEL 127-138 189.0 6.25 18.95 F  
 FLUME TANK LOWER FULL 127-138 262.3 3.40 18.97 F  
 FLUME TANK LOWER WORKING LEVEL 127-138 132.0 2.41 18.97 F

TOP EDGE OF STEEL DECK PLATE UPPER DECK AT SIDE



DRAFT FEET IN TONS OF REEL	IN SALT WATER				IN FRESH WATER			
	DISPLACEMENT S.W. L TONS	DEADWEIGHT IN S.W. L TONS	TONS PER INCH S.W.	MOMENT TO CHANGE TRIM 1" S.W.	DISPLACEMENT IN F.W. L TONS	DEADWEIGHT IN F.W. L TONS	TONS PER INCH F.W.	MOMENT TO CHANGE TRIM 1" F.W.
24	8500	3000	37.50	750	37.00	3000	8500	24
23	8000	2500	37.00	700	36.50	2500	8000	23
22	7500	2000	36.50	650	36.00	2000	7500	22
21	7000	1500	36.00	600	35.50	1500	7000	21
20	6500	1000	35.50	550	35.00	1000	6500	20
19	6000	500	35.00	500	34.50	500	6000	19
18	5500	0	34.50	500	34.00	0	5500	18
17	5000	0	34.00	500	33.50	0	5000	17
16	4500	0	33.50	500	33.00	0	4500	16

LIGHTSHIP DISPLACEMENT 5360 TONS  
 (MEAN DRAFT 18'-03" (S.W.))



CLIENT: CANADIAN COAST GUARD  
 PROJECT/PROJECT: CCGS PIERRE RADISSON MULTI-BEAM SOUNDER INSTALLATION

TITLE/TITLE: CAPACITY PLAN

SCALE/SCALE: 1/16" = 1' / 1/1

NO. DESIG. DRAWING: C17-66-620-02  
 REVISIONS: 1  
 NO. DESIG. CLIENT DRAWING: 1  
 PREPARED BY: Q. COLIN  
 CHECKED BY: L. B.  
 APPROVED BY: S. LAGUE, ING.

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